

Patent Abstracts of Japan

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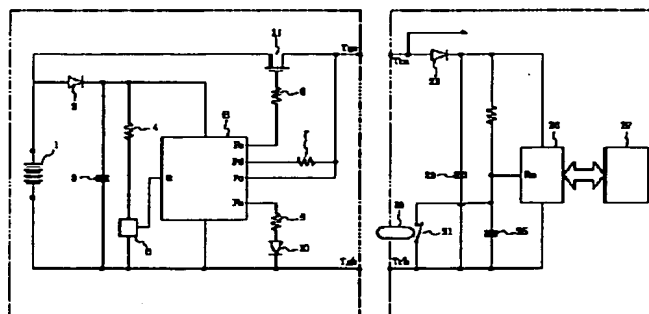
APPLICATION DATE : 20-12-93
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TITLE : EXTERNAL POWER UNIT



ABSTRACT : PURPOSE: To prevent malfunction at resetting time by detecting whether or not the external power unit is fitted to a main body device when a battery is loaded in the external power unit.

CONSTITUTION: Once the external power supply battery 1 is connected to the external power unit, a capacitor 3 is charged and when the terminal voltage of a resetting element 5 rises up to a specific voltage, a voltage is generated at the output terminal of the resetting element 5 and applied to the reset terminal of a microcomputer 6, which is reset and initialized. In this state, terminals Ps, Pd, Pc, and Pa are set to a low level. A timer counts a specific time and then the terminal Pd is held at a high level to detect whether or not a camera is connected. A resistance 7 has a relative high resistance value, so when the camera is connected, the terminal Pc goes down to the low level, so that whether or not the camera is connected can be detected.

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